Problem Statement

M1. Routing Scalability: the most important problem to solve

- multihoming leads to routing table growth in proportion with multihomed customers
- Today's traffic engineering practice $\Rightarrow$ prefix de-aggregation
- Continued net growth
- No non-monetary way to constrain the growth

The current FIB growth trend will lead to nonlinear cost increase

M2. Today's Overloaded ID/locator semantics is a problem

- Renumbering is painful/impossible for many customers (#1 problem for enterprises)
- For the coming new, large scale, mobile equipment with plug&play

3. Routing convergence is too slow

- The internal table size can be substantially larger than DFZ table

4. Cost and benefit are unaligned in the current routing system

How much time do we have?

Who bears the cost of fixing which problem?